



Boston

ROSALIE RUFFINO - SPRAGUE ENER (V-03-1575)

ANALYTICAL REPORT NO: 440711/ P41302725

SHORE TANK # 11 (AFTER DISCHARGE T/B KTC 90)  
SPRAGUE ENERGY, QUINCY, MA  
# 6 FUEL OIL ON OCTOBER 18, 2003

<u>TESTS</u>	<u>METHODS</u>	<u>RESULTS</u>
GRAVITY, API @ 60 DEG F.	ASTM D 4052	13.6
FLASH POINT, F	ASTM D 93	>200
SEDIMENT & WATER, VOL. %	ASTM D 1796	0.30
SEDIMENT BY EXTRACTION, WT. %	ASTM D 473	0.04
VISCOSITY, @ 122 F, SFS/CST	ASTM D 445	93.2/196.6
POUR POINT, C	ASTM D 97	0
SULFUR, WT. %	ASTM D 4294	0.489
ASH, WT. %	ASTM D 482	0.043
GROSS BTU, LB. / GAL.	CALCULATED	18,617/151,189
NITROGEN, WT. %	ASTM D 5762	0.31
ASPHALTENES, WT. %	IP 143	2.6
CONRADSON CARBON RES. WT. %	ASTM D 189	8.3
WATER BY DISTILLATION, VOL. %	ASTM D 95	0.3
SODIUM, PPM WT.	ASTM D 5863	27
VANADIUM, PPM WT.	ASTM D 5863	8

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SGS OIL, GAS & CHEMICALS  
BOSTON - OCTOBER 20, 2003

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Approved, 7/16/02 S.Mitchell

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